	Application No.	Applicant(s)	
Notice of Allowability	10/622,021	2 021 ANSORGE ET AL.	
	Examiner	Art Unit ,	
•		2626	
	Susan McFadden	2626	· · · · ·
The MAILING DATE of this communication appears of the series of the series allowable, PROSECUTION ON THE MERITS IS nerewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT ROOf the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this application or other appropriate communication IGHTS. This application is subject to	will be mailed in due course.	THIS initiative
1. X This communication is responsive to appln filed 7-17-03.			
2. The allowed claim(s) is/are 19-54.			
 3. Acknowledgment is made of a claim for foreign priority uses a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Note 1.2 Note 1	e been received. e been received in Application No	 national stage application fron	n the
International Bureau (PCT Rule 17.2(a)).	·	•	;
* Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	MENT of this application.		•
4. A SUBSTITUTE OATH OR DECLARATION must be subn INFORMAL PATENT APPLICATION (PTO-152) which give	nitted. Note the attached EXAMINER res reason(s) why the oath or declara	L'S AMENDMENT or NOTICE ation is deficient.	OF
5. CORRECTED DRAWINGS (as "replacement sheets") mu	st be submitted.		
(a) I including changes required by the Notice of Draftsper	son's Patent Drawing Review (PTO	-948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date	_•		
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date			- 4
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in	the header according to 37 CFR 1.121	(u).	
 DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT 	OSIT OF BIOLOGICAL MATERIAL FOR THE DEPOSIT OF BIOLOGIC	must be submitted. Note the CAL MATERIAL.	3
Attachment(s)	5. ☐ Notice of Informal	Patent Application	
1. Notice of References Cited (PTO-892)			
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paper No./Mail Da	ate	
3. ☑ Information Disclosure Statements (PTO/SB/08),	7. Examiner's Amend	Iment/Comment	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's Statem 9. □ Other	Juan Mand Susan McFadden Primary Examiner	
•		Art Unit: 2626	

Application/Control Number: 10/622,021 Page 2

Art Unit: 2626

REASONS FOR ALLOWANCE

1. Claims 19-54 are allowed.

2. The following is an examiner's statement of reasons for allowance: The prior art of record, Gao et al. (6,604,070), show that it is well known to encode wideband speech signals using short and long term gain parameters which can be filtered. In regard to claims 19,28,37, and 45, the prior art of record does not show or suggest adding the product of the long-term excitation digital word times the associated long-term gain with the product of the short-term excitation word times the associated short-term gain to generate a summed digital word, and filtering the summed, digital word with a low-pass filter having a cutoff frequency greater than a quarter and less than a half of a sampling frequency to obtain a filtered word, and updating the adaptive coded directory with the filtered word.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Susan McFadden whose telephone number is 571-272-7621. The examiner can normally be reached on Monday-Friday, 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richemond Dorvil can be reached on 571-272-7602. The fax phone

Application/Control Number: 10/622,021

Art Unit: 2626

number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Susan McFadden Primary Examiner Art Unit 2626

April 2, 2007